

1 BILL NO. S-83-11-55

2 SPECIAL ORDINANCE NO. S-260-83

3 AN ORDINANCE approving Change Order
4 No. 30 (Final) - W.P.C. Sewage Works
5 Grant C-180538-01, with Hagerman-
6 Shambaugh, Joint Bidders, in con-
7 nection with the Board of Public
8 Works.

9 NOW, THEREFORE, BE IT ORDAINED BY THE COMMON COUNCIL OF
10 THE CITY OF FORT WAYNE, INDIANA:

11 SECTION 1. That Change Order No. 30 (Final) - W.P.C.
12 Sewage Works Grant C-180538-01, with Hagerman-Shambaugh, Joint
13 Bidders, in connection with the Board of Public Works for:

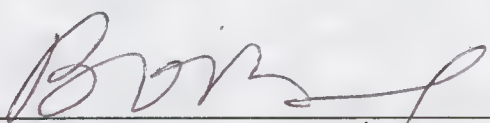
14 Change Order No. 30 and FINAL is for repair
15 and/or replacement of defective instrumen-
16 tations transmitters, panel indicators,
17 panel relays, sensing probes, etc. of
18 which value could not be determined at
19 the time Change Order No. 28 was de-
20 veloped. Funds to cover these items were
21 set aside in agreement dated 7/15/81;

22 involving a total cost of One Hundred Seventy-One Thousand and
23 No/100 Dollars (\$171,000.00), all as more particularly set forth
24 in the specifications, and which is on file with the Office of
25 the Board of Public Works, and is by reference incorporated here-
26 in, made a part hereof and is hereby in all things ratified, con-
27 firmed and approved.

28 SECTION 2. That this Ordinance shall be in full force
29 and effect from and after its passage and any and all necessary
30 approval by the Mayor.

31 
Councilmember

32 APPROVED AS TO FORM
AND LEGALITY


Bruce O. Boxberger, City Attorney

Read the first time in full and on motion by Scruggs, seconded by Allen, and duly adopted, read the second time by title and referred to the Committee City of Fort Wayne (and the City Plan Commission for recommendation) and Public Hearing to be held after due legal notice, at the Council Chambers, City-County Building, Fort Wayne, Indiana, on _____, 19____, at _____ o'clock ____ M., E.S.T.

DATE: 11-22-83

Sandra E. Kennedy
CITY CLERK

Read the third time in full and on motion by Scruggs, seconded by Allen, and duly adopted, placed on its passage. PASSED (~~lost~~) by the following vote:

	<u>AYES</u>	<u>NAYS</u>	<u>ABSTAINED</u>	<u>ABSENT</u>	<u>TO-WIT:</u>
<u>TOTAL VOTES</u>	<u>9</u>	_____	_____	_____	_____
<u>BRADBURY</u>	<u>✓</u>	_____	_____	_____	_____
<u>BURNS</u>	<u>✓</u>	_____	_____	_____	_____
<u>EISBART</u>	<u>✓</u>	_____	_____	_____	_____
<u>GIAQUINTA</u>	<u>✓</u>	_____	_____	_____	_____
<u>SCHMIDT</u>	<u>✓</u>	_____	_____	_____	_____
<u>SCHOMBURG</u>	<u>✓</u>	_____	_____	_____	_____
<u>SCRUGGS</u>	<u>✓</u>	_____	_____	_____	_____
<u>STIER</u>	<u>✓</u>	_____	_____	_____	_____
<u>TALARICO</u>	<u>✓</u>	_____	_____	_____	_____

DATE: 12-13-83

Sandra E. Kennedy
- CITY CLERK

Passed and adopted by the Common Council of the City of Fort Wayne, Indiana, as (~~ZONING MAP~~) (~~GENERAL~~) (~~ANNEXATION~~) (~~SPECIAL~~) (~~APPROPRIATION~~) ORDINANCE (RESOLUTION) NO. 1-260-83 on the 13th day of December, 19 83.

ATTEST:

(SEAL)

Sandra E. Kennedy
CITY CLERK

Ray A. E. E. E.
PRESIDING OFFICER

Presented by me to the Mayor of the City of Fort Wayne, Indiana, on the 14th day of December, 19 83, at the hour of 1:20 o'clock P. M., E.S.T.

Sandra E. Kennedy
CITY CLERK

Approved and signed by me this 15th day of December 19 83, at the hour of 3 o'clock P. M., E.S.T.

Win Moses, Jr.
WIN MOSES, JR. - MAYOR

PROJECT Water Quality Control Project OWNER City of Fort Wayne, IndianaDIVISION ~~SECTIDEX~~ I - Water Pollution Control Plant AdditionsCHANGE ORDER NO. 30 ~~2~~ FINAL

TO: Hagerman-Shambaugh, Joint Bidders
c/o Hagerman Construction Corp.
510 W. Washington Blvd.
P. O. Box 10690
Fort Wayne, IN 46853-0690

You are hereby authorized to make the following additions and/or deductions to your contract amount.

	Previous Contract Amount	Increase	Decrease	Net Change (Deduct) (Add)	Revised Contract Amount
TOTAL	\$ 23,137,008.39	\$ 179,560	\$ 3,360	\$ 176,200	\$ 23,313,208.39

Description of Change:AddDeduct

ITEM NO. 1 - REPAIR/REPLACEMENT OF REGULATOR
 STATION INSTRUMENTATION

- A. Lift Station No. 22 - Third Street
 Replaced Larse equipment and repaired
 bridging equipment

F & P Cost	\$ 720
CECO Overhead @ 10%	72
Indiana Gross Receipts Tax @ 1%	8
	<u>\$ 800</u>

- B. Lift Station No. 34 - Engle Road
 Replaced Larse equipment and repaired
 bridging equipment

F & P Cost	\$ 720
CECO Overhead @ 10%	72
Indiana Gross Receipts Tax @ 1%	8
	<u>\$ 800</u>

- C. Lift Station No. 39 - St. Joe
 Replaced Larse equipment and performed
 extensive wire repairs

F & P Cost	\$ 885
CECO Overhead @ 10%	89
Indiana Gross Receipts Tax @ 1%	9
	<u>\$ 983</u>

CHANGE ORDER NO. 30

PAGE TWO

Description of Change:

Add

Deduct

- D. Regulator Station No. 7 - Glasgow
Repaired Wesmar ultrasonic head and
replaced transmitter

F & P Cost	\$	390
CECO Overhead @ 10%		39
Indiana Gross Receipts Tax @ 1%		4
	\$	433

- E. Regulator Station No. 11 - Hannah
Replaced Larse transmitter

F & P Cost	\$	335
CECO Overhead @ 10%		33
Indiana Gross Receipts Tax @ 1%		4
	\$	372

- F. Regulator Station No. 21 - Foster Park
Repaired Wesmar and Larse equipment

F & P Cost	\$	885
CECO Overhead @ 10%		88
Indiana Gross Receipts Tax @ 1%		10
	\$	983

- G. Regulator Station No. 33 - Woodhurst
Repaired Wesmar equipment and repaired
heater

F & P Cost	\$	830
CECO Overhead @ 10%		83
Indiana Gross Receipts Tax @ 1%		9
	\$	922

- H. Regulator Station No. 34 - Pontiac
Replaced Wesmar equipment and repaired
wiring

F & P Cost	\$	390
CECO Overhead @ 10%		39
Indiana Gross Receipts Tax @ 1%		4
	\$	433

CHANGE ORDER NO. 30

PAGE THREE

Description of Change:

Add

Deduct

I. MCP-1

Repaired power supply regulator board and
Larse receiver and processor boards, furnished
new Larse receiver and processor boards,
corrected extensive panel wiring errors,
replaced all fuses, rerouted graphic panel
wiring, repositioned graphic panel lighting,
installed jumpers (to bypass computer inter-
face) and modified wiring to adapt recorder
to regulator station analog signals.

F & P Cost	\$ 9,745
CECO Overhead @ 10%	975
Indiana Gross Receipts Tax @ 1%	107
	<u>\$10,827</u>

TOTAL FOR ITEM NO. 1

\$ 16,553

ITEM NO. 2 - REPAIR AIR FLOW TRANSMITTERS

- A. Calibration and repair of fifteen (15)
air flow d/p transmitters FT-053 through
FT-058 and FT-062 through FT-070

F & P Cost	\$ 3,086
CECO Overhead @ 10%	309
Indiana Gross Receipts Tax @ 1%	34
	<u>\$ 3,429</u>

- B. Replace FT-066 with new F & P Model No.
50DPF1003 C/W output indicator, factory
calibrated

F & P Cost	\$ 955
CECO Overhead @ 10%	95
Indiana Gross Receipts Tax @ 1%	11
	<u>\$ 1,061</u>

Water Quality Control Project
PROJECT Div. I - Water Pollution Control Plant Additions

JOB NO. 3263.8D

CHANGE ORDER NO. 30

PAGE FOUR

Description of Change:

Add

Deduct

- C. Replace air flow transmitter on Aeration
Tank No. 3 Pass No. 1

Material	\$ 900
Labor	60
Shambaugh Overhead @ 15%	144
Shambaugh Profit @ 10%	110
	<u>\$ 1,214</u>

TOTAL FOR ITEM NO. 2

\$ 5,704

ITEM NO. 3 - REPLACEMENT OF ACP POWER SUPPLY
CARDS AND DEFECTIVE PANEL INDICATORS

- A. Repair of power supplies PSA-1 and PSA-5
with replacement of regulated output printed
circuit boards

F & P Cost	\$ 690
CECO Overhead @ 10%	69
Indiana Gross Receipts Tax @ 1%	8
	<u>\$ 767</u>

- B. Replacement of R/I converters ZT-058 and ZT-114

F & P Cost	\$ 880
CECO Overhead @ 10%	88
Indiana Gross Receipts Tax @ 1%	10
	<u>\$ 978</u>

- C. Replacement of meter FI-038A

F & P Cost	\$ 330
CECO Overhead @ 10%	33
Indiana Gross Receipts Tax @ 1%	4
	<u>\$ 367</u>

- D. Installation of new annunciator alarm card
for PSA-4 and PSA-5

F & P Cost	\$ 200
CECO Overhead @ 10%	20
Indiana Gross Receipts Tax @ 1%	2
	<u>\$ 222</u>

CHANGE ORDER NO. 30

PAGE FIVE

Description of Change:

Add

Deduct

E. Repair of R/I converters ZT-046, 057,
108 and 111

F & P Cost	\$ 660
CECO Overhead @ 10%	66
Indiana Gross Receipts Tax @ 1%	7
	<u>\$ 733</u>

F. Correction of panel wiring errors

F & P Cost	\$ 385
CECO Overhead @ 10%	39
Indiana Gross Receipts Tax @ 1%	4
	<u>\$ 428</u>

TOTAL FOR ITEM NO. 3

\$ 3,495

ITEM NO. 4 - REPAIR/REPLACEMENT OF DCP INSTRUMENTATION

A. Replacement of electronic control printed
circuit boards for MSA-I-500 gas detectors,
AC-149 and AC-152

F & P Cost	\$ 2,086
CECO Overhead @ 10%	209
Indiana Gross Receipts Tax @ 1%	23
	<u>\$ 2,318</u>

B. Repair of signal converter FY-164B

F & P Cost	\$ 135
CECO Overhead @ 10%	14
Indiana Gross Receipts Tax @ 1%	1
	<u>\$ 150</u>

C. Repair of current trips TSHL-140 and ASHL-145

F & P Cost	\$ 440
CECO Overhead @ 10%	44
Indiana Gross Receipts Tax @ 1%	5
	<u>\$ 489</u>

CHANGE ORDER NO. 30

PAGE SIX

<u>Description of Change:</u>	<u>Add</u>	<u>Deduct</u>
-------------------------------	------------	---------------

D. Repair of flow indicator FI-161A

F & P Cost	\$ 260	
CECO Overhead @ 10%	26	
Indiana Gross Receipts Tax @ 1%	3	
	<u>\$ 289</u>	

E. Replacement of flow indicator FI-163A

F & P Cost	\$ 330	
CECO Overhead @ 10%	33	
Indiana Gross Receipts Tax @ 1%	4	
	<u>\$ 367</u>	

F. Factory repair of Ranarex CO₂ gas analyzer

F & P Cost	\$ 2,800	
CECO Overhead @ 10%	280	
Indiana Gross Receipts Tax @ 1%	31	
	<u>\$ 3,111</u>	

G. Rescaling and recalibration of six (6) digester temperature transmitters and indicators

F & P Cost	\$ 960	
CECO Overhead @ 10%	96	
Indiana Gross Receipts Tax @ 1%	11	
	<u>\$ 1,067</u>	

H. Repair of six (6) Autocon digester cover level transmitters including replacement of the 10K OHM potentiometer in each

F & P Cost	\$ 1,890	
CECO Overhead @ 10%	189	
Indiana Gross Receipts Tax @ 1%	21	
	<u>\$ 2,100</u>	

Water Quality Control Project
PROJECT Div. I - Water Pollution Control Plant Additions

JOB NO. 3263.8D

CHANGE ORDER NO. 30

PAGE SEVEN

<u>Description of Change:</u>	<u>Add</u>	<u>Deduct</u>
-------------------------------	------------	---------------

I. Removal, relocation and reinstallation
of Ranarex CO₂ gas analyzer

CECO Labor	\$ 346	
CECO Material	19	
	<u>\$ 365</u>	

TOTAL FOR ITEM NO. \$ 10,256

ITEM NO. 5 - REPAIR OF CHEMICAL STORAGE
TANK LEVEL TRANSMITTERS

A. Repair and recalibration of three (3)
Wesmar SLM-15C level transmitters,
LT-344, 345 and 346

F & P Cost	\$ 1,460	
CECO Overhead @ 10%	146	
Indiana Gross Receipts Tax @ 1%	16	
	<u>\$ 1,622</u>	

TOTAL FOR ITEM NO. 5 \$ 1,622

ITEM NO. 6 - REPLACEMENT OF MISSING LIFT
STATION PANEL RELAYS

A. Furnished and installed 186 Midtex #157-23T7LO
control relays, 34 KIK-30-661 National control
time delay relays, and 2 Midtex #613-43T200
time delay relays

CECO Labor	\$ 3,955	
CECO Material	4,045	
	<u>\$ 8,000</u>	

TOTAL FOR ITEM NO. 6 \$ 8,000

CHANGE ORDER NO. 30

PAGE EIGHT

Description of Change:

Add

Deduct

ITEM NO. 7 - REPLACEMENT OF TWO (2) MODUTRONIC
10A CIRCUIT BOARDS FOR AERATION TANK SLUICE GATE
#8 AND PRIMARY EFFLUENT SLUICE GATE

Limitorque Labor	\$ 135
Limitorque Parts	900
Shambaugh Overhead & Profit	155
	<u>\$ 1,190</u>

TOTAL FOR ITEM NO. 7

\$ 1,190

ITEM NO. 8 - REPLACEMENT OF ELECTRIC OPERATORS ON
AIR FLOW CONTROL VALVES FOR PASS NO. 1 AERATION
TANKS NO. 1, 3, AND 5

Pratt Electric Operators	\$ 5,809
Shambaugh Labor	782
Shambaugh Overhead @ 15%	989
Shambaugh Profit @ 10%	758
	<u>\$ 8,338</u>

TOTAL FOR ITEM NO. 8

\$ 8,338

ITEM NO. 9 - REPLACEMENT OF pH SENSING PROBE AE-016

F & P Cost	\$ 1,145
CECO Overhead @ 10%	115
Indiana Gross Receipts Tax @ 1%	13
	<u>\$ 1,273</u>

TOTAL FOR ITEM NO. 9

\$ 1,273

ITEM NO. 10 - REPLACEMENT OF LIME SLUDGE PANEL
AIR COMPRESSOR

New Compressor	\$ 294
CECO Labor	259
	<u>\$ 553</u>

TOTAL FOR ITEM NO. 10

\$ 553

CHANGE ORDER NO. 30

PAGE NINE

Description of Change:

Add

Deduct

ITEM NO. 11 - REPAIR AND REPLACEMENT OF DEFECTIVE
GATE POTENTIOMETERS, R/I CONVERTERS, AND POWER
SUPPLY UNITS ASSOCIATED WITH 14 TERMINAL POND GATES,
AND BUBBLER LEVEL TRANSMITTERS AND POWER SUPPLIES
ASSOCIATED WITH 3 OUTFALL STRUCTURES

F & P Labor	\$ 4,292
CECO Overhead	429
Indiana Gross Receipts Tax @ 1%	47
Subtotal	\$ 4,768

CECO Labor	\$ 4,026
CECO Material	3,837
Subtotal	\$ 7,863

Potentiometers (8 @ \$97 ea.)	776
R/I Units (3 @ \$405 ea.)	1,215
Subtotal	\$ 1,991

TOTAL FOR ITEM NO. 11

\$ 14,622

ITEM NO. 12 - REPLACEMENT OF MISSING COMPRESSOR
PANEL #2 RELAYS

A. Furnished and installed 8 Midtex relays
#157-23T2LO and 2 Eagle time delay
relays #CG330A6

CECO Labor	\$ 132
CECO Material	359
	\$ 491

TOTAL FOR ITEM NO. 12

\$ 491

ITEM NO. 13 - FIELD WIRING FROM FUEL OIL DAY TANK
LEVEL SWITCH, LSL-430A, TO UTILITIES CONTROL PANEL
ALARM, LAL-430

CECO Labor	\$ 1,837
CECO Material	187
	\$ 2,024

TOTAL FOR ITEM NO. 13

\$ 2,024

Water Quality Control Project
PROJECT Div. I - Water Pollution Control Plant Additions

JOB NO. 3263.8D

CHANGE ORDER NO. 30

PAGE TEN

<u>Description of Change:</u>	<u>Add</u>	<u>Deduct</u>
-------------------------------	------------	---------------

ITEM NO. 14 - MODIFICATION OF HIGH AND LOW
GAS COMPRESSOR AUTOMATIC START AND STOP CIRCUITRY

CECO Labor	\$ 1,056
CECO Material	<u>103</u>
	\$ 1,159

TOTAL FOR ITEM NO. 14 \$ 1,159

ITEM NO. 15 - INSTALLATION OF TWO (2) FULL OPEN
MINI-LIMIT SWITCHES ON THE CHLORINE LEAK DETECTION
VALVES

Mini-Limit Switches	\$ 47
CECO Labor	<u>270</u>
	\$ 317

TOTAL FOR ITEM NO. 15 \$ 317

ITEM NO. 16 - ADDITION OF VOLTAGE AND MONITORING
EQUIPMENT AND TERMINAL BLOCKS IN IDEAL ELECTRIC
SWITCHGEAR FOR EACH PHASE OF GENERATORS NOS. 1 AND 2

Ideal Labor & Material	\$ 1,923
Shambaugh Overhead & Profit	<u>288</u>
	\$ 2,211

TOTAL FOR ITEM NO. 16 \$ 2,211

ITEM NO. 17 - FIELD WIRING FROM DIGESTER TUNNEL
SUMP HIGH LEVEL FLOAT, LSH-471, TO UTILITIES
CONTROL PANEL ALARM LAH-472

CECO Labor	\$ 322
CECO Material	<u>58</u>
	\$ 380

TOTAL FOR ITEM NO. 17 \$ 380

Water Quality Control Project
PROJECT Div. I - Water Pollution Control Plant Additions

JOB NO. 3263.8D

CHANGE ORDER NO. 30

PAGE ELEVEN

Description of Change:

Add

Deduct

ITEM NO. 18 - FIELD WIRING FROM CHLORINE
BUILDING DRAINAGE LIFT STATION HIGH LEVEL
FLOAT, LSH-473, TO UTILITIES CONTROL
PANEL ALARM, LAH-473

CECO Labor	\$ 1,911
CECO Material	285
	<u>\$ 2,196</u>

TOTAL FOR ITEM NO. 18

\$ 2,196

ITEM NO. 19 - INSTALLATION OF AIR PADDING
COMPRESSOR LOW PRESSURE ALARM SWITCH, PSL-360

Material	<u>\$ 166</u>
	\$ 166

TOTAL FOR ITEM NO. 19

\$ 166

ITEM NO. 20 - INSTALLATION OF ENGINE STATUS
RELAYS AT ENGINE GENERATOR PANELS NOS. 1 AND 2
AND RAW SEWAGE PUMP ENGINE PANEL

CECO Labor	\$ 2,760
CECO Material	431
	<u>\$ 3,191</u>

TOTAL FOR ITEM NO. 20

\$ 3,191

ITEM NO. 21 - INSTALLATION OF DIGESTER BOILER
STATUS RELAYS

CECO Labor	\$ 489
CECO Material	59
	<u>\$ 548</u>

TOTAL FOR ITEM NO. 21

\$ 548

Water Quality Control Project
PROJECT Div. I - Water Pollution Control Plant Additions

JOB NO. 3263.8D

CHANGE ORDER NO. 30

PAGE TWELVE

Description of Change:

Add

Deduct

ITEM NO. 22 - INSTALLATION OF FOUR (4) MIDTEX
RELAYS FOR ALTERNATION OF CHLORINE DETECTION VALVES

CECO Labor	\$ 294
CECO Material	69
	<u>\$ 363</u>

TOTAL FOR ITEM NO. 22 \$ 363

ITEM NO. 23 - DELETE COMMISSIONING OF FIVE (5)
RIVER MONITORS

F & P Labor	\$ 3,360
	<u>\$ 3,360</u>

TOTAL FOR ITEM NO. 23 \$3,360

ITEM NO. 24 - REPAIR OF pH TRANSMITTER, AIT-016

F & P Cost	\$ 350
CECO Overhead @ 10%	35
Indiana Gross Receipts Tax @ 1%	39
	<u>\$ 424</u>

TOTAL FOR ITEM NO. 24 \$ 424

ITEM NO. 25 - REPAIR OF LARGE TELEMETRY BOARDS
AT MCH-1 FOR REGULATOR STATIONS

F & P Cost	\$ 2,000
CECO Overhead @ 10%	200
Indiana Gross Receipts Tax @ 1%	22
	<u>\$ 2,222</u>

TOTAL FOR ITEM NO. 25 \$ 2,222

CHANGE ORDER NO. 30

PAGE THIRTEEN

Description of Change:

Add

Deduct

ITEM NO. 26 - COSTS DUE TO DELAY IN FULL
AUTHORIZATION TO PROCEED WITH CHANGE ORDER
NO. 28 WORK

CECO Additional Supt./Engr.	\$15,970
CECO Labor Escalation	<u>5,996</u>
Subtotal	\$23,852
F & P Labor & Material Escalation	\$44,723
CECO Overhead @ 10%	<u>4,472</u>
Indiana Gross Receipts @ 1%	<u>492</u>
Subtotal	\$73,539

TOTAL FOR ITEM NO. 26

\$73,539

ITEM NO. 27 - REPLACE CHLORINE SCALE LOAD CELL
CABLING, INSTALL NEW LOAD CELL SUMMING BOARDS
AND REMOVE MOISTURE FROM JUNCTION BOXES

A. Inspection of existing load cells and cabling
and their effect upon chlorine scale operation

F & P Labor	\$ 440
Eagle Micro-Systems Service Tech.	<u>968</u>
Subtotal	\$ 1,408

B. Field wiring and work

CECO Labor	\$ 1,824
CECO Material	<u>1,702</u>
F & P Labor	440
CECO Overhead @ 10%	<u>44</u>
Indiana Gross Receipts @ 1%	<u>5</u>
Subtotal	\$ 4,015

TOTAL FOR ITEM NO. 27

\$ 5,423

CHANGE ORDER NO. 30

PAGE FOURTEEN

Description of Change:

Add

Deduct

ITEM NO. 28 - HAGERMAN CONSTRUCTION CORP.
OVERHEAD AND PROFIT @ 8% ON \$166,260 OF
ADDITIONAL WORK

\$13,300

PREPARED BY:

HOWARD NEEDLES TAMMEN & BERGENDOFF

By [Signature]
Title Proj MGR Date 10/26/83

ACCEPTED:

HAGERMAN-SHAMBAUGH, Joint Bidders

ACCEPTED FOR HAGERMAN CONSTRUCTION CORP.
CONTRACTOR

By [Signature]
Title Pres Date 10/27/83

ACCEPTED FOR SHAMBAUGH & SON, INC.
CONTRACTOR

By [Signature]
Title Secy Date 10/27/83

APPROVED:

CITY OF FORT WAYNE, INDIANA
OWNER

By [Signature]
Chairman
Jack Wilson, Jr.
Member

Member

Title BOARD OF PUBLIC WORKS

Date Nov. 2-1983

Recommended for Approval
Department of Water Resources

Date 10/28/83 By [Signature]

JUSTIFICATION FOR CHANGE ORDER NO. 30

Item Nos. 1 through 12, 24, 25, and 27 are change order items associated with the repair or replacement of inoperable instrumentation which was furnished and installed prior to Change Order No. 28. The serviceability of this inoperable instrumentation could not have been determined at the time Change Order No. 28 was executed. Therefore, any costs associated with the repair/replacement of the inoperable instrumentation were excluded from Change Order No. 28. The actual repair/replacement required was determined after the commissioning of the inoperable instrumentation commenced under Change Order No. 28. The repair/replacement work was required to complete Change Order No. 28 work.

Item Nos. 13, 17, and 18 are change order items for required field wiring to complete Change Order No. 28 work.

Item Nos. 14, 15, 16, 19, 20, 21, and 22 are change order items for additions and modifications to equipment which was furnished prior to Change Order No. 28. These additions and modifications were required to complete Change Order No. 28 work. The need for these changes could not have been determined at the time Change Order No. 28 was executed. Therefore, any costs associated with these changes were excluded from Change Order No. 28. The changes were determined after an attempt to interface with the equipment was made under Change Order No. 28.

Item No. 23 deleted the Change Order No. 28 commissioning activity of the river monitors because the City intends to install this equipment at a later date.

Item No. 26 contains additional costs incurred by the contractor because a full authorization to proceed was delayed approximately nine months after the expected start date used for the time of execution of Change Order No. 28. The full authorization to proceed was delayed until uncertainties experienced during reviews performed by funding agencies were clarified.

Item No. 28 represents a mark-up for overhead and profit consistent with that approved for other change orders of this general magnitude.

Prepared by:

HOWARD NEEDLES TAMMEN & BERGENDOFF
ARCHITECTS ENGINEERS PLANNERS
INDIANAPOLIS, INDIANA
OCTOBER 26, 1983

BILL NO. S-83-11-55

REPORT OF THE COMMITTEE ON CITY UTILITIES

WE, YOUR COMMITTEE ON City Utilities TO WHOM WAS REFERRED AN
ORDINANCE approving Change Order No. 30 (Final) - W.P.C. Sewage
Works Grant C-180538-01, with Hagerman-Shambaugh, Joint Bidders, in
connection with the Board of Public Works

HAVE HAD SAID ORDINANCE UNDER CONSIDERATION AND BEG LEAVE TO REPORT
BACK TO THE COMMON COUNCIL THAT SAID ORDINANCE DO PASS.

VICTURE L. SCRUGGS, CHAIRMAN

Victure Scruggs

SAMUEL J. TALARICO, VICE CHAIRMAN

Samuel J. Talarico

DONALD J. SCHMIDT

Donald J. Schmidt

MARK E. GIAQUINTA

Mark E. Giaquinta

PAUL M. BURNS

Paul M. Burns

*Concurred
12-13-83*

TITLE OF ORDINANCE Change Order #30 - W.P.C. Sewage Works Grant C-180538-01DEPARTMENT REQUESTING ORDINANCE BOARD OF PUBLIC WORKSD-83-11-55

SYNOPSIS OF ORDINANCE Change Order 30 and FINAL is for repair and/or replacement of defective instrumentations transmitters, panel indicators, panel relays, sensing probes, etc. of which value could not be determined at the time Change Order #28 was developed. Funds to cover these items were set aside in agreement dated 7/15/81.

Hagerman-Shambaugh Jt. Bidders, Contractors.

EFFECT OF PASSAGE To facilitate completion of project.

EFFECT OF NON-PASSAGE _____

MONEY INVOLVED (DIRECT COSTS, EXPENDITURE, SAVINGS) \$171,000

ASSIGNED TO COMMITTEE _____